Inventor: JI et al.
Docket No.: 15098.0007USWO
Title: METHOD FOR OBTAINING IMAGE REFERENCE BLOCK IN A CODE OF MODE
OF FIXED REFERENCE FRAME NUMBER
Attorney Name: Tong Wu
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Sheet 1 of 2
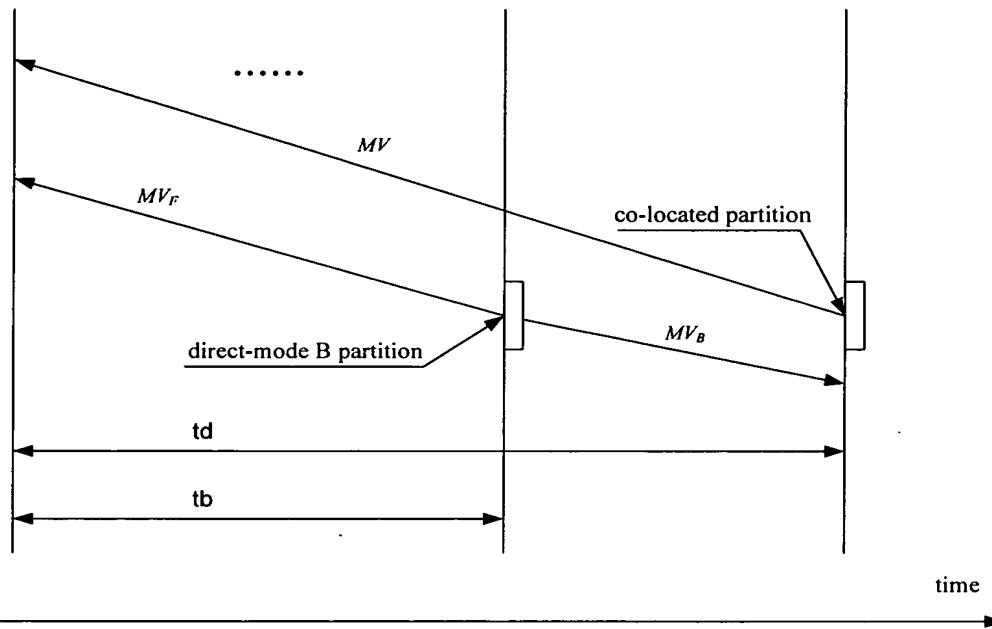
Drawings

List 0 Reference   Current B   List 1 Reference
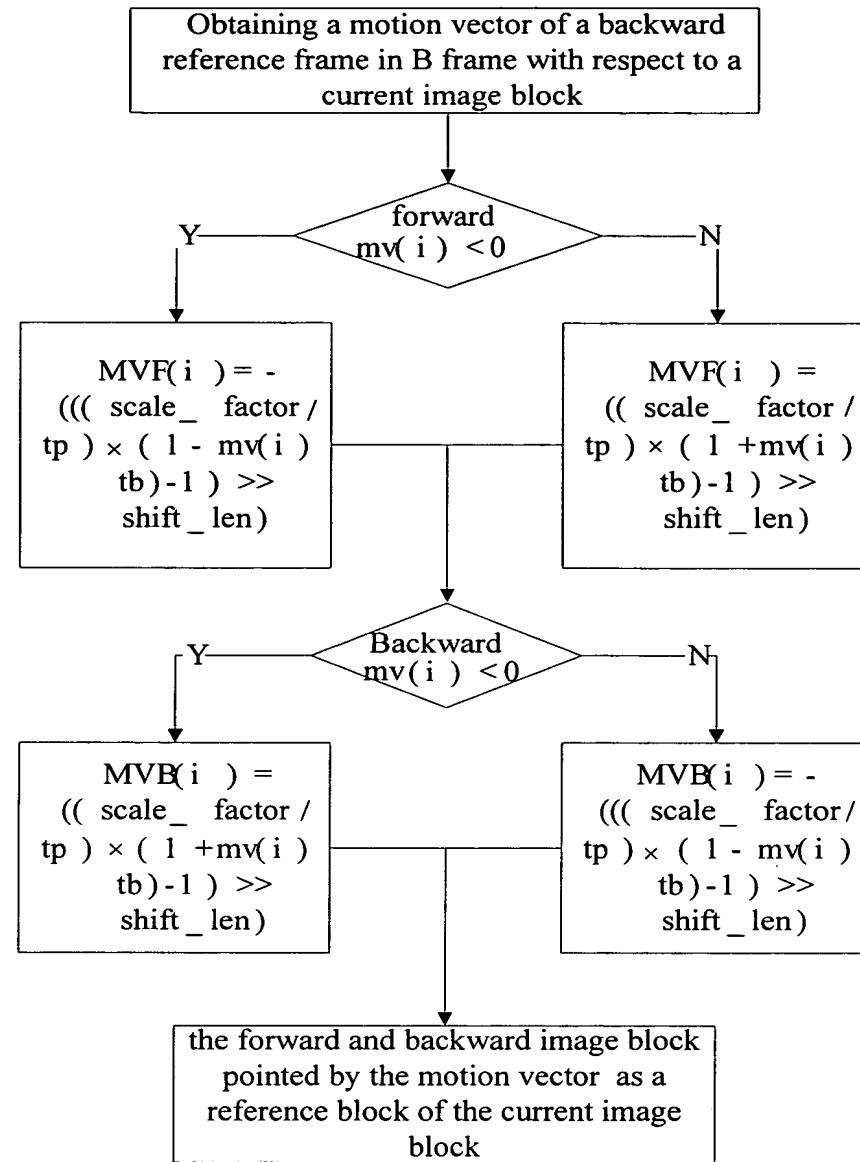
MV

MV_F

co-located partition

direct-mode B partition

MV_B

td

tb

time

FIG. 1

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Obtaining a motion vector of a backward
reference frame in B frame with respect to a
current image block

forward
mv(i) < 0

Y — N

MVF(i) = -
(((scale_ factor /
tp) × (1 - mv(i)
tb) - 1) >>
shift _ len)

MVF(i) =
((scale_ factor /
tp) × (1 + mv(i)
tb) - 1) >>
shift _ len)

Backward
mv(i) < 0

Y — N

MVB(i) =
((scale_ factor /
tp) × (1 + mv(i)
tb) - 1) >>
shift _ len)

MVB(i) = -
(((scale_ factor /
tp) × (1 - mv(i)
tb) - 1) >>
shift _ len)

the forward and backward image block
pointed by the motion vector as a
reference block of the current image
block

FIG.2

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